

PERSONAL INFORMATION



Dr. Georgios Mallinis

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Sex m | Date of birth 13/12/1976 | Nationality Greek

WORK EXPERIENCE

2013-today

Assistant Professor

Department of Forestry & Management of the Environment & Natural Resources, Democritus University of Thrace, Orestiada, Greece

- Teaching & Research, Remote Sensing, Geoinformatics, Cartography, Aerial Photography

2010-2013

Business or sector Academic

Research assistant

Department of Biology, National Kapodistrian University of Athens, Athens, Greece

Remote Sensing and GIS

2000-2013

Business or sector Academic

Research assistant

Department of Forestry & Management of the Environment & Natural Resources, Democritus University of Thrace, Orestiada, Greece

Research, Remote Sensing, Geographical Information Systems, Forest ecosystems, Forest Fires

2000-2004

Business or sector Research

GIS analyst

Sxediasmos S.A., KTIMATOGRAFIKI S.A., Thessaloniki, Greece

- Geographical Information Systems, NATURA 2000

Business or sector Industry

EDUCATION AND TRAINING

2001-2006

Doctor of Philosophy degree

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Aristotle University of Thessaloniki. Department of Forestry and Natural Environment. Lab of Forest Management and Remote Sensing

- "Assessment of the possible use of very high resolution satellite data and geographic information systems in the framework of Dasologio-Forest Cadastre"

1999-2001

Master of Science degree

7

Aristotle University of Thessaloniki. Department of Forestry and Natural Environment. Lab of Forest Management and Remote Sensing

- "Assessment of the possible use of very high resolution satellite data and geographic information systems in the framework of Dasologio-Forest Cadastre"

1994-1999

Bachelor degree on Forestry

6

Aristotle University of Thessaloniki. Department of Forestry and Natural Environment. Lab of Forest Management and Remote Sensing

- “Assessment of the possible use of very high resolution satellite data and geographic information systems in the framework of Dasologio-Forest Cadastre”

PERSONAL SKILLS

Mother tongue(s)

Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient User	Proficient User	Proficient User	Proficient User	Proficient User
Proficiency in English C2					
French	Basic User	Basic User	Basic User	Basic User	Basic User
Cetificat Francais A2					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Computer skills

- Trimble eCognition, ERDAS Imagine, RSI ENVI, ESRI ArcGIS, AutoCAD Map, SPSS, Statistica,

Scholarships

- 2003 – 2006. Post-graduate scholarship for conducting PhD studies. General Secretariat of Research and Technology, Greece (GSRT).
- 2000-2004. Post-graduate scholarship on “Remote Sensing of Forest Ecosystems”. State Scholarships Foundation (IKY), Greece.

Participation in projects

- Participation in 16 international and national projects

ADDITIONAL INFORMATION

Publications in international journals

- 32 indexed in ISI Web of Science
- Citations (Scopus): 466
- H-index (Scopus): 10

1. Galidaki, G., Zianis, D., Gitas, I., Kalliopi Radoglou, K. Karathanassi, V., Tsakiri-Strati, M., Woodhouse, I. and Mallinis, G., 2016. Vegetation biomass estimation with remote sensing: focus on forest and other wooded land over the Mediterranean ecosystem. **International Journal of Remote Sensing**. [dx.doi.org/10.1080/01431161.2016.1266113](https://doi.org/10.1080/01431161.2016.1266113)
2. Salis, M., Arca, B., Alcasena, F., Arianoutsou, M., Bacciu, V., Duce, P., Duguy, B., Koutsias, N., Mallinis, G., Mitsopoulos, I., Moreno, J.M., Pérez, J.R., Urbietta, I.R., Xystrakis, F., Zavala, G., Spano, D., 2016. Predicting wildfire spread and behaviour in Mediterranean landscapes. **International Journal of Wildland Fire**. <http://dx.doi.org/10.1071/WF15081> (in press)
3. Vakaki, E., Mallinis, G., Tsakiri-Strati, M., Doxani, G., Siachalou, S., 2016. Change Detection Techniques for Monitoring a Deltaic Ecosystem in Northern Greece using Multi-Temporal LANDSAT TM Imagery. **South-Eastern Eur. J. Earth Obs. Geomatics** 6, 1–22.
4. Karteris, M., Theodoridou, I., Mallinis, G., Tsiros, E., Karteris, A., 2016. Towards a green sustainable strategy for Mediterranean cities: Assessing the benefits of large-scale green roofs implementation in Thessaloniki, Northern Greece, using environmental modelling, GIS and very high spatial resolution remote sensing data. **Renewable and Sustainable Energy Reviews** 58, 510–525. doi:10.1016/j.rser.2015.11.098
5. Mallinis, G. Mitsopoulos I., Beltran, E. and Goldammer, J. 2016 Assessing Wildfire Risk in Cultural Heritage Properties Using High Spatial and Temporal Resolution Satellite Imagery and Spatially Explicit Fire Simulations: The Case of Holy Mount Athos, Greece. **Forests** 2016, 7(2), 46; doi:10.3390/f7020046
6. Mallinis, G., Gitas, I.Z., Tasionas, G., Maris, F., 2016. Multitemporal Monitoring of Land Degradation Risk Due to Soil Loss in a Fire-Prone Mediterranean Landscape Using Multi-decadal Landsat Imagery. **Water Resources and Management** 30, 1255–1269. doi:10.1007/s11269-016-1224-y
7. Mitsopoulos, I., Mallinis, G., Zibtsev, S., Yavuz, M., Saglam, B., Kucuk, O., Bogomolov, V., Borsuk, A., Zaimes, G., 2016. An integrated approach for mapping fire suppression difficulty in three different ecosystems of Eastern Europe. **Journal of Spatial Science** doi:10.1080/14498596.2016.1169952
8. Tompoulidou, M., Gitas, I.Z., Polychronaki, A., Mallinis, G., 2016. A GEOBIA framework for the implementation

- of national and international forest definitions using very high spatial resolution optical satellite data. **Geocarto International** 31, 342–354. doi:10.1080/10106049.2015.1047470
9. Gitas, I., Mallinis, G., 2015. Foreward for the Geobia special issue. **Photogrammetric Engineering and Remote Sensing** 81, 449–450
 10. Koutsias N, Allgöwer B, Kalabokidis K, Mallinis G, Balatsos P, Goldammer J. 2015 Fire occurrence zoning from local to global scale in the European Mediterranean basin: implications for multi-scale fire management and policy. *iForest - Biogeosciences and Forestry*. 9. 195-204 (IF 1.23)
 11. Mitsopoulos, I., Mallinis, G., Karali, A., Giannakopoulos, C., Arianoutsou, M., 2015. Mapping fire behaviour under changing climate in a Mediterranean landscape in Greece. **Regional Environmental Change** doi:10.1007/s10113-015-0884-0
 12. Siachalou, S., Mallinis, G., & Tsakiri-Strati, M. (2015). A Hidden Markov Models Approach for Crop Classification: Linking Crop Phenology to Time Series of Multi-Sensor Remote Sensing Data. **Remote Sensing**, 7, 3633-3650 (IF 2.65).
 13. Moussoulis, E., Mallinis, G., Koutsias, N., Zacharias, I., 2015. Modelling surface runoff to evaluate the effects of wildfires in multiple semi-arid, shrubland-dominated catchments. *Hydrol. Process*. 29, 4427–4441.
 14. Mitsopoulos, I., Mallinis, G., Arianoutsou, M., 2014. Wildfire Risk Assessment in a Typical Mediterranean Wildland–Urban Interface of Greece. *Environ. Manage.* 55, 900–915. (in press) (IF 1.64)
 15. Mallinis, G., Karteris, M., Theodoridou, I., Tsioukas, V., & Karteris, M. 2014. Development of a nationwide approach for large scale estimation of green roof retrofitting areas and roof-top solar energy potential using VHR natural colour orthoimagery and DSM data over Thessaloniki, Greece. **Remote Sensing Letters** (IF 1.62)
 16. Mallinis, G., Koutsias, N., & Arianoutsou, M. 2014. Monitoring land use/land cover transformations from 1945 to 2007 in two peri-urban mountainous areas of Athens metropolitan area, Greece. **Science of The Total Environment**, 490, 262-278 (IF 3.26)
 17. Karteris, M., Theodoridou, I., Mallinis, G. and Papadopoulos, A.M., 2014. Façade photovoltaic systems on multifamily buildings: An urban scale evaluation analysis using geographical information systems. **Renewable and Sustainable Energy Reviews**, 39: 912-933. (IF 5.63)
 18. Mallinis, G., Galidaki, G and Gitas, I.Z., 2014. A Comparative Analysis of EO-1 Hyperion, Quickbird and Landsat TM Imagery for Fuel Type Mapping of a Typical Mediterranean Landscape. **Remote Sensing** (2):1684-1704. (IF 2.10)
 19. Mallinis, G., Gitas, I.Z., Giannakopoulos, V., Maris, F., and Tsakiri-Strati, M. 2013. An object-based approach for flood area delineation in a transboundary area using ENVISAT ASAR and LANDSAT TM data. **International Journal of Digital Earth**, 6, 124-136 (IF 1.22)
 20. Mallinis, G., Mitsopoulos, I., Stournara, P., Patias, P., and Dimitrakopoulos, A. 2013. Canopy fuel load mapping of Mediterranean pine sites based on individual tree-crown delineation. **Remote Sensing**, 5, 6461-6480 (IF 2.10)
 21. Koutsias, N., Pleniou, M., Mallinis, G., Nioti, F., and Sifakis, N., 2013. A rule-based semi-automatic method to map burned areas: exploring the USGS historical Landsat archives to reconstruct recent fire history. **International Journal of Remote Sensing**, 34(20):7049-7068 (IF 1.14)
 22. Mallinis, G. and Koutsias, N., 2012. Comparing ten classification methods for burned mapping in a Mediterranean environment using Landsat TM satellite data. **International Journal of Remote Sensing** 33 (14): 4408-4433. (IF 1.14)
 23. Koutsias, N., Xanthopoulos, G., Founda, D., Xystrakis, F., Nioti, F., Pleniou, M., Mallinis, G., Arianoutsou, M., 2013. On the relationships between forest fires and weather conditions in Greece from long-term national observations (1894-2010). **International Journal of Wildland Fire** 22(4):493-507 (IF 2.32)
 24. Karagiorgos, K. Maris, F. Mallinis, G. and Kalinderis, I., 2013. An Automated Spatial Model for Soil Loss Estimation, Case Study of the Louros River, Greece. **Wildbach und Lawinenvorbau** 77 (17): 278-291.
 25. Theodoridou, I., Karteris, M., Mallinis, G., Papadopoulos, A. and Manfred Hegger, M., 2012. Assessment of retrofitting measures and solar systems' potential in urban areas using Geographical Information Systems: application to a Mediterranean city. **Renewable & Sustainable Energy Reviews** 16 (8) 6239–6261. (IF 5.63)
 26. Mitrakis, N., Mallinis, G., Koutsias, N. and Theocharis, J.B., 2012. Burned area mapping in Mediterranean environment using medium-resolution multi-spectral data and a neuro-fuzzy classifier. **International Journal of Image and Data Fusion**, 3 (4): 299-318.
 27. Koutsias, N., Arianoutsou, M., Kallimanis, A.S., Mallinis, G., Halley, J.M. and Dimopoulos, P., 2012. Where did the fires burn in Peloponnisos, Greece the summer of 2007? Evidence for a synergy of fuel and weather. **Agricultural and Forest Meteorology**, 156: 41-53. (IF 3.42)
 28. Moustakidis, S., Mallinis, G., Koutsias, N. and Theocharis, J.B., Petridis, V., 2012. SVM-Based Fuzzy Decision Trees for Classification of High Spatial Resolution Remote Sensing Images. **IEEE Transactions on Geoscience and Remote Sensing**, 50 (1): 149-169. (IF 3.47)
 29. Mallinis, G., Emmanoloudis, D., Giannakopoulos, V., Maris, F. and Koutsias, N., 2011. Mapping and interpreting historical land cover/land use changes in a Natura 2000 site using earth observational data: the case of Nestos

- delta, Greece, **Applied Geography** 31 (1): 312–320. (IF 3.08)
30. Mallinis, G., Maris, F., Kalinderis, I. and Koutsias, N., 2009. Assessment of Post-fire Soil Erosion Risk in Fire-Affected Watersheds Using Remote Sensing and GIS. **GIScience and Remote Sensing**, 46 (4): 388–410. (IF 1.43)
31. Koutsias, N., Mallinis, G. and Karteris, I., 2009. A forward/backward principal component analysis of Landsat-7 ETMC data to enhance the spectral signal of burnt surfaces. **ISPRS Journal of Photogrammetry and Remote Sensing** 64 (1): 37-46. (IF 3.31)
32. Mallinis, G., Mitsopoulos, I., Dimitrakopoulos, A., Karteris, M. and Gitas, I., 2008. Local Scale Fuel Type Mapping and Fire Behavior Prediction by Employing High Resolution Satellite Imagery. **IEEE Journal on Selected Topics in Applied Earth Observations** 1 (4): 230-239. (IF 2.87)
33. Mallinis, G. and Koutsias, N., 2008. Spectral and Spatial-Based Classification for Broad-Scale Land Cover Mapping Based on Logistic Regression. **Sensors** 8 (12): 8067-8085. (IF 1.95)
34. Mallinis, G., Koutsias, N., Tsakiri, M., and Karteris, I., 2008. Object-based classification using Quickbird imagery for delineating forest vegetation polygons in a Mediterranean test site. **ISPRS Journal of Photogrammetry and Remote Sensing**, 63: 237-250. (IF 3.31)
35. Gitas, I.Z., Polychronaki, A., Katagis T. and Mallinis, G., 2008. Contribution of remote sensing to disaster management activities: A case study of the large fires in the Peloponnese, Greece. **International Journal of Remote Sensing**, 29(6): 1847-1853. (IF 1.14)
36. Mallinis, G., Koutsias, N., Makras, A., and Karteris, I., 2004. Forest parameters estimation in a European Mediterranean landscape using remotely sensed data. **Forest Science**, 50(4): 450-460. (IF 1.09)
- Served as a reviewer
1. Annals of Forest Science- Springer / 2. Applied Geography -Elsevier / 3. Computers, Environment and Urban Systems - Elsevier / 4. Desalination and Water Treatment-Taylor and Francis / 5. Ecological Complexity- Elsevier / 6. Environment, Development and Sustainability-Springer / 7. Environmental Earth Sciences-Springer / 8. Environmental Engineering and Management / 9. Environmental Monitoring and Assessment- Springer / 10. European Journal of Remote Sensing / 11. Forest Ecology and Management-Elsevier / 12. IEEE Journal of Selected Topics in Earth Observations and Remote Sensing / 13. IEEE Transactions on Geoscience and Remote Sensing / 14. International Journal of Applied Earth Observation and Geoinformation-Elsevier / 15. International Journal of Image and Data Fusion- Taylor and Francis / 16. International Journal of Remote Sensing-Taylor and Francis / 17. International Journal of Wildland Fire-CSIRO / 18. ISPRS Journal of Photogrammetry and Remote Sensing-Elsevier / 19. Journal of Maps-Taylor and Francis / 20. Journal of Arid Environments- Elsevier / 21. Journal of Environmental Management- Elsevier / 22. Journal of Geography and Regional Planning / 23. Journal of Mountain Science-Springer / 24. Journal of Sustainable Development-Canadian Center of Science and Education / 25. Land- MDPI / 26. Landscape Ecology- Springer / 27. Landscape Research- Taylor and Francis / 28. Natural Hazards-Springer / 29. Natural Hazards and Earth System Sciences Discussions - Copernicus / 30. Regional Environmental Change- Springer / 31. Remote Sensing of the Environment-Elsevier / 32. Remote Sensing-MDPI / 33. Science of the Total Environment- Elsevier / 34. Sensors-MDPI / 35. Water Resources Management- Springer